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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	A. Herczeg	Group Art Unit:	1723
Serial Number:	10/511,695	Examiner:	To be assigned
Filing Date:	July 1, 2005	Docket No.:	PB0224
Title:	Shaped Flow Distribution in Filtration Cassettes		

REQUEST FOR CORRECTED FILING RECEIPT

Office of Initial Patent Examination
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

August 26, 2005

Via Facsimile No.: (571) 273-8300
Total Pages Transmitted: 10

Sir:

Please furnish the undersigned with a corrected filing receipt for the above-identified application. The correction required is as follows:

In the "Domestic Priority data as claimed by applicant" section, please correct the international application number and filing date to read:

This application is a 371 of ~~PCT/US03/01268 01/14/2003~~ PCT/US03/012068 04/17/2003

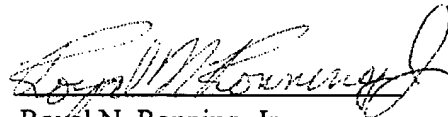
Attached is a marked up copy of the Filing Receipt, having three total pages, having a mailing date of August 17, 2005, as required.

Please find attached a copy of the three page declaration signed by the inventor along with a copy of the first page of the international application showing the correct international application number to be PCT/US03/012068. Additionally, please find attached a copy of the first page of the Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Submission Under 35 U.S.C. 371 clearly indicating the correct international application number and filing date.

Please enter the parent details and kindly forward the undersigned a Corrected Filing Receipt.

Any questions can be referred to the undersigned.

Respectfully submitted,



Royal N. Ronning, Jr.
Registration No.: 32,529
Attorney for Applicants

Amersham Biosciences Corp
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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being facsimile transmitted to the U.S. Patent and Trademark Office to Fax No. (571) 273-8300 on August 26, 2005.

Signature: _____

Name: _____

_____ Melissa Leck



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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/511,695	07/01/2005	1723	920	PB0224	18	11	1

CONFIRMATION NO. 9144

22840
AMERSHAM BIOSCIENCES
PATENT DEPARTMENT
800 CENTENNIAL AVENUE
PISCATAWAY, NJ 08855

FILING RECEIPT



OC000000016797915

Date Mailed: 08/17/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Attila Herczeg, Southborough, MA;

Power of Attorney: The patent practitioners associated with Customer Number 22840.

Domestic Priority data as claimed by applicant

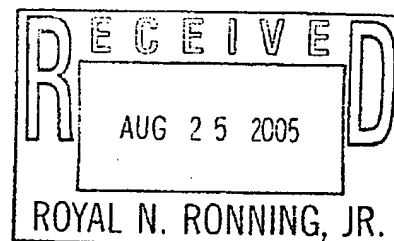
This application is a 371 of PCT/US03/01268 04/14/2003 * PCT/US03/012068 04/17/2003
which claims benefit of 60/373,983 04/19/2002
and claims benefit of 60/425,199 11/08/2002
(*Data provided by applicant is not consistent with PTO records.

Foreign Applications

Projected Publication Date: 11/24/2005

Non-Publication Request: No

Early Publication Request: No



Title

Shaped flow distribution in filtration cassettes

Preliminary Class

210

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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Docket No.: PB0224
Application No.: 10/511,695
Filing Date: To be assigned
Group Art Unit: To be assigned
Examiner: To be assigned
Declaration Submitted After Initial Filing

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Shaped Flow Distribution in Filtration Cassettes

the specification of which

☐ is attached hereto.

OR

☒ was filed on 17 April 2003 as international patent application no. PCT/US03/12068.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or (f) or Section 365 (b) of any foreign application(s) for patent or inventor's certificate, or

Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign applications for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

(Number)

(Country)

(Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional patent application(s) listed below:

60/373,983
(Application Serial No.)

19 April 2002
(Filing Date)

60/425,199
(Application Serial No.)

8 November 2002
(Filing Date)

I hereby claim the benefit under 35 U.S.C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

PCT/US03/12068
(Application Serial No.)

17 April 2003
(Filing Date)

As a named inventor, I hereby appoint the following attorneys or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Customer Number: 22840

Send correspondence to: Amersham Biosciences Corp
800 Centennial Avenue
Piscataway, New Jersey 08855

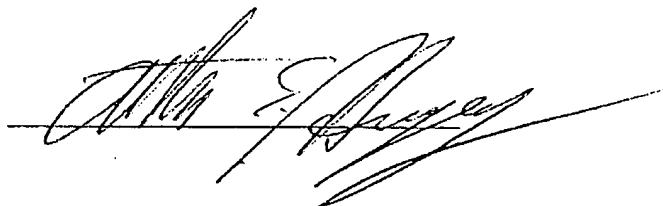
Direct telephone calls to: (732) 457-8000

Direct facsimiles to: (732) 457-8463

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Attila Herczeg

Inventor's signature:



Date:

12/20/2004

Post Office Address:

4 Jacobs Lane
Southborough, Massachusetts 01772 US

Citizenship:

United States

T:\Pat_Dept\IP_Dept\Declarations\FB\PH0224.doc

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 2003/088864 A3

(51) International Patent Classification: **B01D 63/00**,
29/00, C02F 1/44

(21) International Application Number:
PCT/US2003/012068

(22) International Filing Date: **17 April 2003** (17.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/373,983 19 April 2002 (19.04.2002) US
60/425,199 8 November 2002 (08.11.2002) US

(71) Applicant (for all designated States except US): **AMERSHAM BIOSCIENCES MEMBRANE SEPARATIONS CORP.** [US/US]; One Amersham Way, Westborough, MA 01581 (US).

(72) Inventor: and

(75) Inventor/Applicant (for US only): **HERCZEG, Atila** [US/US]; 4 Jacobs Lane, Southborough, MA 01772 (US).

(74) Agents: **RONNING, JR., Royal, N. et al.**; Amersham Biosciences Corp, 800 Centennial Avenue, Piscataway, NJ 08855 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

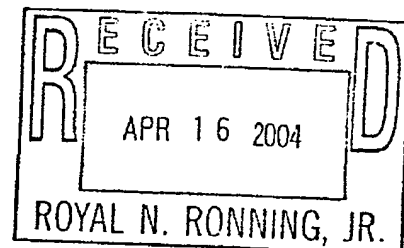
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
25 March 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(54) Title: **SHAPED FLOW DISTRIBUTION IN FILTRATION CASSETTES**

(57) Abstract: The present invention improves the flow dynamics about the leading edges of the sealed apertures within a filtration cassette by flowing a sealing resin so that it protrudes into the main passageway defined by the porous screens thereof. The sealing resin defines at least an end portion of a fluid channel in each passageway. Desirably, the sealing resin extends into the passageways so as to significantly reduce or eliminate the formation of non-uniformities in fluid flow therethrough. The porous mesh may define apertures shaped so as to direct the resin during vacuum drawing to a desired location in the flow channels. The porous mesh may further include a shaped perimetrical edge which also assists in the drawing of a flowable resin into the porous mesh to further define the flow channels so as to significantly reduce or eliminate the formation of non-uniformities in the fluid flow.

WO 2003/088864 A3

TRANSMITTAL LETTER TO THE UNITED STATES

DESIGNATED/ELECTED OFFICE (DO/EO/US)

CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

PB0224

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

to be assigned

INTERNATIONAL APPLICATION NO.

PCT/US2003/012068

INTERNATIONAL FILING DATE

17 April 2003

PRIORITY DATE CLAIMED

19 April 2002

TITLE OF INVENTION

SHAPED FLOW DISTRIBUTION IN FILTRATION CASSETTES

APPLICANT(S) FOR DO/EO/US

HERCZEG, Attila

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. EV 328148353 US
23. ☒ Other items or information:

copy of this transmittal letter for charging purposes, copies of the references cited on the Information Disclosure Statement, Certificate of Mailing by Express Mail and a return postcard